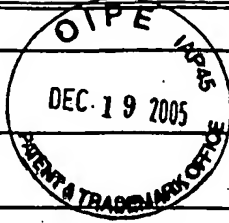


Sheet 1 of 1		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: December 19, 2005				ATTY DOCKET NO. 2004_0285		SERIAL NO. 10/783,588	
				APPLICANT Mitsuiaki OSHIMA et al.			
				FILING DATE February 23, 2004			
				GROUP 2634 2611			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/DH/	AA	4,597,090	6-24-86	Forney, Jr.			
/DH/	AB	4,077,021	2-28-78	Csajka et al.			
/DH/	AG	2005/0084760	4-21-05	Wang et al.			
/DH/	AD	2003/0038833	3-17-05	Epstein et al.			
/DH/	AE	2005/0022932					
/DH/	AF	4,918,437	4-17-90	Jasinski et al.			
/DH/	AG	5,023,889	6-11-91	Divsalar et al.			
/DH/	AH	5,063,452	11-5-91	Higurashi			
/DH/	AI	5,124,852	6-23-92	Suwa et al.			
/DH/	AJ	5,136,380	8-4-92	Cho			
/DH/	AK	5,146,335	9-8-92	Kim et al.			
/DH/	AL	5,148,422	9-15-92	Sako et al.			
/DH/	AM	5,218,436	6-8-93	Sugiyama et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION. YES NO
/DH/	AN	2627574	7-21-04	CN			
/DH/	AO	1529838	5-11-05	EP			abstract
/DH/	AP	1499725	5-26-04	CN			only abstract
/DH/	AQ	2004-159207	6-3-04	JP			corresponds to AP
/DH/	AR	1528854	5-11-05	EP			only abstract
/DH/	AS	52118	12-16-02	UA			only abstract
/DH/	AT	1569334	1-26-05	CN			x
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AU						
EXAMINER				/Dac Ha/			
				DATE CONSIDERED 03/06/2007			

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
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Date Submitted to PTO: February 23, 2004

ATTY DOCKET NO.
2004_0285SERIAL NO.
NEW

10/783,588

APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
February 23, 2004GROUP
211

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/DH/	AA	5,311,550	5-10-94	Fouche et al.			
/DH/	AB	4,630,287	12-16-86	Armstrong			
/DH/	AC	4,271,527	6-2-81	Armstrong			
/DH/	AD	5,050,188	9-17-91	Dirr			
/DH/	AE	5,398,073	3-14-95	Wei			
/DH/	AF	5,452,015	9-19-95	Hulyalkar			
/DH/	AG	5,565,932	10-15-96	Citta et al.			
/DH/	AH	5,481,412	1-2-96	Bannai et al.			
/DH/	AI	3,909,721	9-30-75	Bussgang et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
/DH/	AJ	0365431	4-25-90	EP				X
/DH/	AK	0485105	5-13-92	EP			X	
/DH/	AL	92/14343	8-20-92	WO			X	
/DH/	AM	89/08366	9-8-89	WO			X	
/DH/	AN	0031193	7-1-81	EP			X	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/DH/	AO	Shinji Matsumoto et al., "200 Mb/s 16 QAM Digital Radio-Relay System Operating in 4 and 5 GHz Bands", Japan Telecommunications Review, January 1982, vol. 24, no. 1, pages 65-73.
/DH/	AP	M. Pecot et al., "Compatible Coding of Television Images, Part 2. Compatible System", Signal Processing Image Communication, October 2, 1990, no. 3, pages 259-268.
/DH/	AQ	Mitsuaki Oshima, "Constellation-Code Division Multiplex for Digital HDTV", IEEE, 1992, pages 1086-1092.

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DATE CONSIDERED

03/06/2007

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
2004_0285SERIAL NO.
10/783,588LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)APPLICANT
Mitsuaki OSHIMA et al.

Date Submitted to PTO: June 9, 2004

FILING DATE
February 23, 2004

GROUP

2631F 2611

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	AA	3,824,548	7-16-74	Sullivan et al.	—	—	—
	AB	3,959,726	5-25-76	Hinoshita et al.	—	—	—
	AC	4,303,939	12-1-81	Stephens et al.	—	—	—
	AD	4,303,941	12-1-81	Marti et al.	—	—	—
	AE	4,309,726	1-5-82	Tanaka et al.	—	—	—
	AF	4,535,352	8-85	Haskell	—	—	—
	AG	4,564,858	1-14-86	Resch	—	—	—
	AH	4,581,639	4-8-86	Judge	—	—	—
	AI	4,769,819	9-6-88	Matsutani et al.	—	—	—
	AJ	4,794,447	12-27-88	Tsinberg	—	—	—
	AK	4,800,426	1-24-89	Glenn	—	—	—
	AL	4,817,192	3-28-89	Phillips et al.	—	—	—
	AM	5,007,088	4-9-91	Ooi et al.	—	—	—
	AN	5,029,003	7-91	Jonnalagadda	—	—	—
DA	AO	5,134,464	7-28-92	Basile et al.	—	—	—

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AP						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DA	AQ	Masafumi SAITO et al., "Bit Error Rate Characteristics of OFDM in Multipath Environment", 1991					
DA	AR	Ryutaro OHMOTO et al., "π/4-shift QPSK Subcarrier Transmission", 1991					

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09/26/05

Sheet 2 of 2		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: June 9, 2005				ATTY DOCKET NO. 2004_0285		SERIAL NO. 10/783,588	
				APPLICANT Mitsuaki OSHIMA et al.			
				FILING DATE February 23, 2004		GROUP 2631 2611	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DH	AA	5,181,112	1-19-93	Citta et al.	_____	_____	_____
	AB	5,377,051	12-27-94	Lane et al.	_____	_____	_____
	AC	5,400,084	3-21-95	Scarpa	_____	_____	_____
	AD	5,576,902	11-19-96	Lane et al.	_____	_____	_____
	AE	5,218,622	6-8-93	Fazel et al.	_____	_____	_____
	AE	5,561,468	10-1-96	Bryan et al.	_____	_____	_____
	AG	5,598,220	1-97	Citta et al.	_____	_____	_____
DH	AH	5,802,241	9-1-98	Oshima	_____	_____	_____
	AI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DH	AJ	3-48587	3-1-91	Japan	_____	_____	abstract
	AK						
	AL						
	AM						
	AN						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
DH	AO	J. A. C. Bingham, "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come", IEEE Communications Magazine, Vol. 28, May 1990, pages 5-8 and 11-14					
DH	AP	B. Hirotsuki, "An Orthogonally Multiplexed QAM System Using the Discrete Fourier Transform", IEEE Transactions on Communications, Vol. Com-29, No. 7, July 1981, pages 982-989					
DH	AQ	L. J. Cimini, Jr., "Analysis and Simulation of a Digital Mobile Channel Using Orthogonal Frequency Division Multiplexing", IEEE Transactions on Communications, Vol. Com-33, No. 7, July 1985, pages 665-675 and Annex					
EXAMINER				DATE CONSIDERED			
				09/26/05			

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FORM PTO 1449 (modified)

ATTY DOCKET NO.
2004_0285SERIAL NO.
10/783,588U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: July 21, 2004

APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
February 23, 2004

GROUP

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DH	AJ	2-154583	6-13-90	Japan	—	—	abstract
	AK						
	AL						
	AM						
	AN						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DH	AO	Shigeki MORIYAMA et al., "Delay Propagation Characteristics at VHF and UHF bands in Urban Area"; 1991 Spring National Convention Record, The Institute of Electronics, Information and Communication Engineers, Part 2, p. 406, March 15, 1991
DH	AP	Yasuhiro ITO et al., "Adaptive Weighted Code Division Multiplexing (AW-CDM) Transmission System for Terrestrial Digital Television Broadcasting", ITE Technical Report Vol. 17, No. 13, pp 27-32, February 25, 1993
	AQ	

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PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
2004_0285SERIAL NO.
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10/783,588

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)APPLICANT
Mitsuaki OSHIMA et al.

Date Submitted to PTO: February 23, 2004

FILING DATE
February 23, 2004

GROUP

2634 2611

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DL	AA	5,311,550	5-10-94	Fouche et al.	_____	_____	_____
	AB	4,630,287	12-16-86	Armstrong	_____	_____	_____
	AC	4,271,527	6-2-81	Armstrong	_____	_____	_____
	AD	5,050,188	9-17-91	Dirr	_____	_____	_____
	AE	5,398,073	3-14-95	Wei	_____	_____	_____
	AF	5,452,015	9-19-95	Hulyalkar	_____	_____	_____
	AG	5,565,932	10-15-96	Citta et al.	_____	_____	_____
	AH	5,481,412	1-2-96	Bannai et al.	_____	_____	_____
DL	AI	3,909,721	9-30-75	Bussgang et al.	_____	_____	_____

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
DL	AJ	0365431	4-25-90	EP	_____	_____		X
	AK	0485105	5-13-92	EP	_____	_____	X	
	AL	92/14343	8-20-92	WO	_____	_____	X	
	AM	89/08366	9-8-89	WO	_____	_____	X	
DL	AN	0031193	7-1-81	EP	_____	_____	X	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DL	AO	Shinji Matsumoto et al., "200 Mb/s 16 QAM Digital Radio-Relay System Operating in 4 and 5 GHz Bands", Japan Telecommunications Review, January 1982, vol. 24, no. 1, pages 65-73.
DL	AP	M. Pecot et al., "Compatible Coding of Television Images, Part 2. Compatible System", Signal Processing Image Communication, October 2, 1990, no. 3, pages 259-268.
DL	AQ	Mitsuaki Oshima, "Constellation-Code Division Multiplex for Digital HDTV", IEEE, 1992, pages 1086-1092.

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
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2004_0285

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10/783,588

APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
February 23, 2004

GROUP

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DH	AA	4,227,152	10-7-80	Godard et al.	_____	_____	_____
	AB	4,525,846	6-25-85	Bremer et al.	_____	_____	_____
	AC	4,751,478	6-14-88	Yoshida	_____	_____	_____
	AD	4,891,806	1-2-90	Farias et al.	_____	_____	_____
	AE	4,903,125	2-20-90	Parker	_____	_____	_____
	AF	4,937,844	6-26-90	Kao	_____	_____	_____
	AG	5,164,963	11-17-92	Lawrence et al.	_____	_____	_____
	AH	5,555,275	9-1996	Oshima	_____	_____	_____
DH	AI	5,565,926	10-15-96	Bryan et al.	_____	_____	_____

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
DH	AJ	0311188	4-12-89	EP	_____	_____	X	
	AK	0329158	8-23-89	EP	_____	_____	X	
	AL	64-5135	1-10-89	JP	_____	_____	X	
	AM	63-28145	2-5-88	JP	_____	_____	X	
DH	AN	62-133842	6-17-87	JP	_____	_____	X	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DH	AO	Tricia Hill et al., "A Performance Study of NLA 64-State QAM", IEEE Transactions on Communications, vol. COM-31, June 1983, no. 6, pages 821-826.
DH	AP	Hideki Ishio et al., "A Proposal of a Carrier Digital Transmission System Using Multi-Level APSK", pages 1-20.
DH	AQ	Shanmugam, "Digital and Analog Communication Systems" 1979, p. 272.

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09/23/05

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
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Date Submitted to PTO: February 23, 2004

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Mitsuaki OSHIMA et al.FILING DATE
February 23, 2004

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PH	AA	5,105,442	4-14-92	Wei	_____	_____	_____
	AB	4,048,572	9-13-77	Dogliotti et al.	_____	_____	_____
	AC	5,282,019	1-25-94	Basile et al.	_____	_____	_____
	AD	5,311,547	5-10-94	Wei	_____	_____	_____
	AE	5,267,021	11-30-93	Ramchandran et al.	_____	_____	_____
	AF	5,038,219	8-6-91	Yamashita et al.	_____	_____	_____
	AG	5,087,975	2-11-92	Citta et al.	_____	_____	_____
	AH	5,086,340	2-4-92	Citta et al.	_____	_____	_____
PH	AI	5,243,629	9-7-93	Wei	_____	_____	_____

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
PH	AJ	53-137657	12-1-78	JP	_____	_____	X
	AK	0282298	9-14-88	Europe	_____	_____	X
	AL	0392538	10-17-90	Europe	_____	_____	X
	AM	0490552	6-17-92	Europe	_____	_____	X
PH	AN	0506400	9-30-92	Europe	_____	_____	X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

PH	AO	Khaled Fazel et al., Combined multilevel coding and multiresolution modulation, February 8, 1993, Pages 1081-1085
PH	AP	P. Hoeher et al., Performance of an RCPC-Coded OFDM-based Digital Audio Broadcasting (DAB) System, IEEE Global Telecommunications Conference "Globecom '91", December 2-5, 1991, Vol. 1 of 3, Pages 2.1.1 - 2.1.7
PH	AQ	K. M. Uz et al., Combined multiresolution source coding and modulation for digital broadcast of HDTV*, 1992, Pages 283-292

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07/26/05

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
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APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
February 23, 2004

GROUP

2634, 2611

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	AA	5,142,353	8-25-92	Kageyama et al.	—	—	—
	AB	5,197,061	3-23-93	Halbert-Lassalle et al.	—	—	—
	AC	5,291,289	3-1-94	Hulyalkar et al.	—	—	—
	AD	5,166,924	11-24-92	Moose	—	—	—
	AE	4,940,954	7-10-90	Aubert et al.	—	—	—
	AF	5,128,758	7-7-92	Azadegan et al.	—	—	—
	AG	5,038,402	8-6-91	Robbins	—	—	—
DA	AH	5,638,112	6-10-97	Bestler et al.	—	—	—

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DA	AI	0448492A1	9-25-91	Europe	—	—	X
	AJ	0485108A2	5-13-92	Europe	—	—	X
	AK	0525641A2	2-3-93	Europe	—	—	X
	AL	0540231A2	5-5-93	Europe	—	—	X
DA	AM	0531046A2	3-10-93	Europe	—	—	X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DA	AN	K. M. Uz et al., Multiresolution Source and Channel Coding for Digital Broadcast of HDTV, 1992, Pages 61-69.
DA	AO	Nambi Seshadri et al., Multi-Level Block Coded Modulations with Unequal Error Protection for the Rayleigh Fading Channel, Vol. 4, No. 3, May-June 1993, Pages 325-334.
DA	AP	William F. Schreiber, Spread-Spectrum Television Broadcasting, SMPTE Journal, August 1992, Pages 538-549.

EXAMINER

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2634 2611

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DL	AA	5,063,445	11-5-91	Nishizawa et al.	_____	_____	_____
	AB	5,819,000	10-6-98	Oshima	_____	_____	_____
	AC	5,999,569	12-7-99	Oshima	_____	_____	_____
DL	AD	5,892,879	4-6-99	Oshima	_____	_____	_____

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
DL	AE	7-99522	4-11-95	Japan	_____	_____	abstract	
	AF	7-79415	3-20-95	Japan	_____	_____	abstract	
	AG	5-75568	3-26-93	Japan	_____	_____	abstract	
	AH	86-07223	12-4-86	WO	_____	_____	X	
	AI	2 187 611	9-9-87	Great Britain	_____	_____	X	
	AJ	85/04541	10-10-85	WO	_____	_____	X	
	AK	04-196822	7-16-92	Japan	_____	_____	abstract	
	AL	2-166979	6-27-90	Japan	_____	_____	abstract	
	AM	64-74836	3-20-89	Japan	_____	_____	abstract	
DL	AN	53-108215	9-20-78	Japan	_____	_____	abstract	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DL	AO	Martin Vetterli et al., Multiresolution Coding Techniques for Digital Television: A Review, Multidimensional Systems and Signal Processing, Volume 3, May 1992, Pages 161-187.
DL	AP	Ezio Biglieri et al., Introduction to Trellis-Coded Modulation with Applications, April 6, 1992, Pages 173-207.
DL	AQ	English Language Abstract of European Patent No. 93 30 7575

EXAMINER

DATE CONSIDERED

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: February 23, 2004

ATTY DOCKET NO.
2004_0285

SERIAL NO.

~~NEW~~ 10/783,588APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
February 23, 2004

GROUP

2611

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	AA	4,636,876	1-13-87	Schwartz	_____	_____	_____
	AB	4,855,692	8-8-89	Kennard et al.	_____	_____	_____
	AC	4,873,701	10-10-89	Tretter	_____	_____	_____
	AD	4,958,360	9-18-90	Sari	_____	_____	_____
	AE	5,115,453	5-19-92	Calderbank et al.	_____	_____	_____
	AF	5,168,509	12-1-92	Nakamura et al.	_____	_____	_____
	AG	6,049,651	4-11-00	Oshima	_____	_____	_____
DA	AH	6,256,357	7-3-01	Oshima	_____	_____	_____
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DA	AJ	0122805	10-24-84	EP	_____	_____	X
	AK	63-180280	7-25-88	JP	_____	_____	abstract
	AL	64-68144	3-14-89	Japan	_____	_____	abstract
	AM	5-218978	8-27-93	Japan	_____	_____	X
DA	AN	3-69295	3-25-91	Japan	_____	_____	X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DA	AO	Kazuhiko Nitadori, Synthesis of Multichannel Orthogonal VSB Signals by Quadrature Method, 1976 International Conference on Communications, June 14-16, 1976, Volume 1, Pages 3-25 - 3-29.
DA	AP	Thomas M. Cover, Broadcast Channels, IEEE Transactions on Information Theory, January 1972, Pages 2-14
DA	AQ	"Optimum Weighted PCM for Speech Signals", Sundberg, IEEE Transactions on Communications, Volume COM-26, No. 6, June 1978, Pages 872-881.

EXAMINER

DATE CONSIDERED

09/26/05

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
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Date Submitted to PTO: February 23, 2004

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2004_0285

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10/783,588

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Mitsuaki OSHIMA et al.FILING DATE
February 23, 2004

GROUP

2034 2611

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DT	AA	5,170,413	12-8-92	Hess et al.	—	—	—
DT	AB	5,214,656	5-93	Chung et al.	—	—	—

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DT	AC	57-39629	3-4-82	Japan	—	—	abstract
	AD	58-161547	9-26-83	Japan	—	—	abstract
	AE	63-180222	7-25-88	Japan	—	—	abstract
	AF	92/22162	12-10-92	WO	—	—	X
	AG	2-94814	4-5-90	Japan	—	—	abstract
	AH	61-70861	4-11-86	Japan	—	—	abstract
	AI	2-218279	8-30-90	Japan	—	—	abstract
	AJ	2,095,435	5-10-92	Canada	—	—	X
	AK	91/20137	12-26-91	WO	—	—	X
	AL	2-141049	5-30-90	Japan	—	—	X
	AM	2-195732	8-2-90	Japan	—	—	abstract
	AN	5-167633	7-2-93	Japan	—	—	abstract
	AO	2-260726	10-23-90	Japan	—	—	X
DT	AP	58-161427	9-26-83	Japan	—	—	abstract

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	
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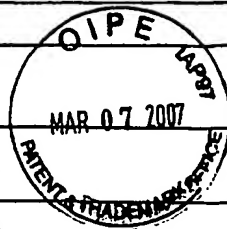
DATE CONSIDERED

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2004_0285SERIAL NO.
10/783,588LIST OF REFERENCES CITED BY APPLICANT(S)
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Mitsuaki OSHIMA et al.

Date Submitted to PTO: March 7, 2007

FILING DATE
February 23, 2004

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/DH/	AA	5,210,770	5-11-93	Rice			
/DH/	AB	5,519,730	5-21-96	Jasper et al.			
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	AI						

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/DH/	AJ	3-13145	1-22-91	Japan			abstract
/DH/	AK	4-322592	11-12-92	Japan			abstract
/DH/	AL	63-253738	10-20-88	Japan			abstract
/DH/	AM	62-502932	11-19-87	Japan			abstract
/DH/	AN	58-107740	6-27-83	Japan			abstract

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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DATE CONSIDERED

03/19/2007

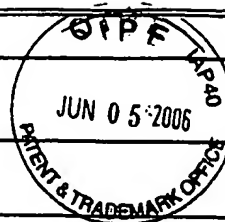
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Date Submitted to PTO: June 5, 2006

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2004_0285SERIAL NO.
10/783,588APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
February 23, 2004GROUP
2031-2611

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/DH/	AA	4,267,592	5-12-81	Craiglow			
/DH/	AB	4,601,045	7-15-86	Lubarsky			
/DH/	AC	4,912,706	3-27-90	Eisenberg et al.			
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/DH/	AE	5,018,198	5-21-91	Takahashi			
/DH/	AF	4,003,002	1-11-77	Snijders et al.			
/DH/	AG	4,053,713	10-11-77	Nitadori			
	AH						
	AI						

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	AK							
	AL							
	AM							
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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